AMENDMENTS TO THE CLAIMS

Claims 1-30 (Cancelled)

31. (New) A method of planarizing material formed on a processed wafer, the processed wafer having a top surface, the top surface having spaced-apart wafer upper levels and a wafer lower level that lies between the wafer upper levels, the wafer upper levels lying above the wafer lower level, the method comprising:

forming a layer of first material to contact the top surface of the processed wafer, the layer of first material having a top surface, the top surface of the layer of first material having a first lower level and a first upper level that lies above the first lower level;

forming a layer of second material to contact the top surface of the layer of first material, the layer of second material having a non-planar top surface; and

chemically-mechanically polishing the non-planar top surface of the layer of second material and the layer of first material with a slurry to form a planarized layer of material, the planarized layer of material lying over the wafer upper levels and the wafer lower level, the layer of first material having a substantially planar top surface as soon as the layer of second material is substantially all removed from the layer of first material.

32. (New) The method of claim 31 wherein:

the planarized layer of material has a first thickness over the wafer upper level, and

the layer of first material is formed such that the first lower level lies above the wafer upper level by a second thickness that is equal to or greater than the first thickness. 09/678,414 <u>PATENT</u>

(New) The method of claim 31 wherein the layer of first material is 33.

conductive and electrically connected to a device on the wafer.

(New) The method of claim 33 wherein the layer of first material is 34.

polysilicon.

35. (New) The method of claim 34 and further comprising doping the layer

of polysilicon prior to forming the layer of second material.

36. (New) The method of claim 33 wherein the layer of second material is

non-conductive.

37. (New) The method of claim 31 wherein the slurry etches the layer of

first material and the layer of second material at approximately a same rate.

38. (New) The method of claim 31 and further comprising forming a layer

of third material over the planarized layer of material.

39. (New) The method of claim 38 wherein the layer of third material is a

mask.

40. (New) The method of claim 38 wherein:

the planarized layer of material includes doped polysilicon; and

the layer of third material lowers a resistance of doped polysilicon.

41. (New) The method of claim 40 and further comprising forming a mask

on the layer of third material.

AMENDMENT IN RESPONSE TO OFFICE ACTION DATED AUGUST 8, 2005

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42. (New) A method of planarizing material formed on a processed wafer, the processed wafer having a top surface, the top surface having spaced-apart wafer upper levels and a wafer lower level that lies between the wafer upper levels, the wafer upper levels lying above the wafer lower level, the method comprising:

conformally forming a layer of first material to contact the top surface of the processed wafer, the layer of first material having a top surface, the top surface of the layer of first material having a first lower level and a first upper level that lies above the first lower level;

forming a layer of second material to contact and adhere to the top surface of the layer of first material; and

chemically-mechanically polishing the layer of second material and the layer of first material with a slurry to form a planarized layer of material, the planarized layer of material lying over the wafer upper levels and the wafer lower level, the layer of first material having a substantially planar top surface as soon as the layer of second material is substantially all removed from the layer of first material.

43. (New) The method of claim 42 wherein:

the planarized layer of material has a first thickness over the wafer upper level, and

the layer of first material is formed such that the first lower level lies above the wafer upper level by a second thickness that is equal to or greater than the first thickness.

- 44. (New) The method of claim 42 wherein the layer of first material is conductive and electrically connected to a device on the wafer.
- 45. (New) The method of claim 44 wherein the layer of first material is polysilicon.

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46. (New) The method of claim 45 and further comprising doping the layer of polysilicon prior to forming the layer of second material.

- 47. (New) The method of claim 44 wherein the layer of second material is non-conductive.
- 48. (New) The method of claim 42 wherein the slurry etches the layer of first material and the layer of second material at approximately a same rate.
- 49. (New) The method of claim 42 and further comprising forming a layer of third material over the planarized layer of material.
- 50. (New) The method of claim 49 wherein the layer of third material is a mask.
 - 51. (New) The method of claim 49 wherein: the planarized layer of material includes doped polysilicon; and the layer of third material lowers a resistance of doped polysilicon.
- 52. (New) The method of claim 51 and further comprising forming a mask on the layer of third material.